DOE/NV 1995 WASTE GENERATOR WORKSHOP PRESENTATION PROPOSALS

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Topic of Presentation: Low-Level Waste Process Knowledge Evaluations

Relevant Section of NVO-325:

Section 4.1, Waste Characterization by Process Knowledge

Specific Issue:

Process Knowledge Evaluations

ABSTRACT

This paper describes the formal mechanism used to evaluate and track the processes that have the potential for generating low-level or transuranic waste and to determine whether the waste contains RCRA- or California-regulated hazardous components. The heart of the system is a set of standardized forms completed by the waste generator and a RCRA specialist, which is reviewed by a waste certification official. This system allows all interested parties to look at an operation in detail, evaluate the input and output constituents, and determine if the waste stream meets the disposal site's waste acceptance criteria. The interested parties also evaluate waste minimization and waste segregation, as well as identify any additional training needed by the generator and any additional controls that may be required for the specific process.

The evaluation results in a list that documents the pre-approved components for each waste stream evaluated for hazardous constituents and waste acceptance criteria. The documentation for this evaluation system, the Process Knowledge Form, is maintained in a 4th Dimension database and is reviewed and updated annually.

The review process and the documentation created by the Process Knowledge Evaluation form has established a method of assuring that the process knowledge of the waste generator is sufficient to guarantee that waste entering the LLW or TRU waste stream meets all applicable waste acceptance criteria and that LLNL has a documented paper trail to support this guarantee.

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